

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A random copolymer comprising:

- a) at least ~~a~~one vinyl aromatic monomer at a strength ranging from 75 to 95% by weight, wherein the vinyl aromatic monomer is selected from the group consisting of styrene, α -methyl styrene, p-methyl styrene, ter-butyl styrene, 2,4 di-methyl styrene monomers and the bromated or chlorinated derivatives thereof;
- b) at least ~~an~~one alkyl methacrylate monomer at a strength of up to 15% by weight, wherein the alkyl moiety has from 1 to 4 carbon atoms; the alkyl methacrylate monomer being selected from the group consisting of methyl, ethyl and butyl methacrylate monomers; and,
- c) at least ~~an~~one alkyl acrylate monomer at a strength of up to 25% by weight, wherein the alkyl moiety has from 1 to 4 carbon atoms; the alkyl acrylate monomer being selected from the group consisting of methyl, ethyl, and butyl acrylate monomers.

2. (Currently amended) The random copolymer according to claim 1 ~~further~~ comprising from 83 to 95% by weight of at least one vinyl aromatic monomer.

3. (Currently amended) The random copolymer according to claim 1 ~~further~~ comprising up to 10% by weight of at least one alkyl acrylate monomer.

4. (Currently amended) The random copolymer according to claim 1 ~~further~~ comprising up to 7% by weight of at least one alkyl acrylate monomer.

Claim 5. (Cancelled)

6. (Currently amended) The random copolymer according to claim ~~5~~1, wherein the vinyl aromatic monomer is styrene.

Claim 7. (Cancelled)

8. (Currently amended) The random copolymer according to claim ~~7~~1, wherein the alkyl methacrylate monomer is methyl methacrylate.

Claim 9. (Cancelled)

10. (Currently) The random copolymer according to claim ~~9~~1, wherein the alkyl acrylate monomer is butyl acrylate.

11. (Currently amended) The random copolymer according to ~~claims 6, 8, and 10~~ claim 1 ~~further~~ comprising: from 87% to 95% by weight of styrene; from 5% to 10% by weight of methyl methacrylate; and up to 3% by weight of butyl acrylate.

12. (Currently amended) The random copolymer according to claim 1, ~~further~~ having an average molecular weight by number (M_n) from 70,000 to 140,000; an average molecular weight (M_w) from 140,000 to 270,000; a polydispersity from 2.0 to 2.8; and a melt flow index from 2 to 20 g/10 min.

13. (Currently amended) A polymer mixture comprising:

(a) from 1 to 75% by weight of the random copolymer as claimed in claim 1; and,

(b) from 25 to 99% by weight of at least a diblock or triblock copolymer containing styrene monomers or mixtures thereof.

14. (Currently amended) The polymer mixture according to claim 13, wherein the diblock copolymer is ~~further~~ selected from the group consisting of styrene-butadiene, styrene-isoprene copolymers and the partially hydrogenated derivatives thereof.

15. (Original) The polymer mixture according to claim 14, wherein the diblock copolymer is styrene-butadiene containing from 15 to 35% by weight of butadiene.

16. (Currently amended) The polymer mixture according to claim 13, wherein the triblock copolymer is ~~further~~ selected from the group consisting of styrene-butadiene-styrene, styrene-isoprene-styrene copolymers and the partially hydrogenated derivatives thereof.

17. (Currently amended) The polymer mixture according to claim 13, wherein the diblock or triblock copolymer and the mixtures thereof should have a minimal average molecular weight by number (Mn) of 70,000 and a minimal average molecular weight by weight (Mw) of 120,000 ~~in order for such a polymer mixture to be used in extrusion processes.~~

18. (Cancelled)

19. (New) An extruded product produced from the polymer mixture of claim 13.

20. (New) An extruded product according to claim 19, wherein the product is a thermoformable film, plate or sheet.

21. (New) An extruded product according to claim 20, wherein the thermoformable product is transformed to a blister package.